ABCI segreto. SEO ID NO:1

GTCCCTGCTGTGAGCTCTGGCCGCTGCCTTCCAGGGCTCCCGAGCCACACGCTGGGGGTGCTGGCTGAGGGAACATGGCTTGTTQGCCTCAGCTGAGGTTGCTGCTGTGGAAGAACCTCACTTTCAGAAG AAGACAAACATGTCAGCTGCTGCTGGAAGTGGCCTGGCCTCTATTTATCTTCCTGATCCTGAT CTCTGTTCGGCTGAGCTACCCACCTATGAACAACATGAATGCCATTTTCCAAATAAAGCCA TGccctctgcaggaacacttdcttgggttcaggggattatctgtaatgccaacaacccctgtt TCCGTTACCCGACTCCTGGGGAGGCTCCCGGAGTTGTTGGAAACTTTAACAAATCCATTGTGG CTCGCCTGTTCTCAGATGCTCGQAGGCTTCTTTTATACAGCCAGAAAGACACCAGCATGAAGG AGTCTACTGTGGACAAGATGCTGAGGGCTGATGTCATTCTCCACAAGGTATTTTTGCAAGGCT ACCAGTTACATTTGACAAGTCTGTGCAATGGATCAAAATCAGAAGAGATGATTCAACTTGGTG ACCAAGAAGTTTCTGAGCTTTGTGGCCTACCAAGGGAGAAACTGGCTGCAGCAGAGCGAGTA CTTCGTTCCAACATGGACATCCTGAAGCCAATCCTGAGAACACTAAACTCTACATCTCCCTTCC CGAGCAAGGAGCTGGCTGAAGCCACAAAAACATTGCTGCATAGTCTTGGGACTCTGGCCCAG GAGCTGTTCAGCATGAGAAGCTGGAGTGACATGCGACAGGAGGTGATGTTTCTGACCAATGT GAACAGCTCCAGCTCCTCCACCCAAATCTACCAGGCTGTGTCTCGTATTGTCTGCGGGCATCC CGAGGGAGGGGGCTGAAGATCAAGTCTCTCAACTGGTATGAGGACAACAACTACAAAGCCC TCTTTGGAGGCAATGGCACTGAGGAAGATGCTGAAACCTTCTATGACAACTCTACAACTCCTT ACTGCAATGATTTGATGAAGAATTTGGAGTCTAGTCCTCTTTCCCGCATTATCTGGAAAGCTCT GAAGCCGCTGCTCGTTGGGAAGATCCTGTATACACCTGACACTCCAGCCACAAGGCAGGTCAT TCTGTGTACACCTGGAGAGAGCTTTCAACGAGACTAACCAGGCAATCCGGACCATATCTCGC TTCATGGAGTGTGTCAACCTGAACAAGCTAGAACCCATAGCAACAGAAGTCTGGCTCATCAAC AAGTCCATGGAGCTGCTGGATGAGAGGAAGTTCTGGGCTGGTATTGTGTTCACTGGAATTACT CCAGGCAGCATTGAGCTGCCCCATCATGTCAAGTACAAGATCCGAATGGACATTGACAATGTG GAGAGGACAAATAAAATCAAGGATGGGTACVGGGACCCTGGTCCTCGAGCTGACCCCTTTGA GGACATGCGGTACGTCTGGGGGGGGCTTCGCCTACTTGCAGGATGTGGTGGAGCAGGCAATCA TCAGGGTGCTGACGGGCACCGAGAAGAAAACTGGTGTCTATATGCAACAGATGCCCTATCCCT GTTACGTTGATGACATCTTTCTGCGGGTGATGAGCCGGTCAATGCCCCTCTTCATGACGCTGGC CTGGATTTACTCAGTGGCTGTGATCATCAAGGdCATCGTGTATGAGAAGGAGGCACGGCTGA AAGAGACCATGCGGATCATGGGCCTGGACAACAGCATCCTCTGGTTTAGCTGGTTCATTAGTA GCCTCATTCCTCTTGTGAGCGCTGGCCTGCTAGTGGTCATCCTGAAGTTAGGAAACCTGCT GCCCTACAGTGATCCCAGCGTGGTGTTTGTCTTCCTGTCGTGTTTTGCTGTGGTGACAATCCTG CAGTGCTTCCTGATTAGCACACTCTTCTCCAGAGGCAACCTGGCAGCAGCCTGTGGGGGGCATC ATCTACTTCACGCTGTACCTGCCTACGTCCTGTGTGTGGCATGGCAGGACTACGTGGGCTTCA CACTCAAGATCTTCGCTAGCCTGCTGTCTCCTGTGGCTTTTGGGTTTGGCTGTGAGTACTTTGC CCTTTTTGAGGAGCAGGGCATTGGAGTGCAGTGGGACAACCTGTTTGAGAGTCCTGTGGAGGA AGATGGCTTCAATCTCACCACTTCGGTCTCCATGATGCTGTTTGACACCTTCCTCTATGGGGTG ATGACCTGGTACATTGAGGCTGTCTTTCCAGGCCAGTACGGAATTCCCAGGCCCTGGTATTTTC CTTGCACCAAGTCCTACTGGTTTGGCGAGGAAAGTGATGAGAAGAGCCACCCTGGTTCCAACC AGAAGAGAATATCAGAAATCTGCATGGAGGAGGAA&CCACCCACTTGAAGCTGGGCGTGTCC

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CCATGGCTTTGATCGGCGGGCCTCCT CCACAGGCATGGATCCCAAAGCCCGGCGGTTCTTGTGGAATTGTGCCCTAAGTGTTGTCAAGG AGGGGAGATCAGTAGTGCTTACATCTCATAGTATGGAAGAATGTGAAGCTCTTTGCACTAGGA TGGCAATCATGGTCAATGGAAGGTTCAGGTGCCTTGGCAGTGTCCAGCATCTAAAAAATAGGT TTGGAGATGGTTATACAATAGTTGTACGAATAGCAGGGTCCAACCCGGACCTGAAGCCTGTCC AGGATTTCTTTGGACTTGCATTTCCTGGAAGTGTTCTAAAAGAGAAACACCGGAACATGCTAC AATACCAGCTTCCATCTTCATTATCTTCTCTGGCCAGGATATTCAGCATCCTCTCCCAGAGCAA AAAGCGACTCCACATAGAAGACTACTCTGTTTCTCAGACAACACTTGACCAAGTATTTGTGAA CTTTGCCAAGGACCAAAGTGATGÀTGACCACTTAAAAGACCTCTCATTACACAAAAACCAGA TATGAAGAATCCTGTTCATACGGGGTGGCTGAAAGTAAAGAGGAACTAGACTTTCCTTTGCAC CATGTGAAGTGTTGTGGAGAAAAGAGCCAGAAGTTGATGTGGGAAGAAGTAAACTGGATACT GTACTGATACTATTCAATGCAATGCAATGCAATGAAAACAAAATTCCATTACAGGGGCAG TGCCTTTGTAGCCTATGTCTTGTATGGCTCTCAAGTGAAAGACTTGAATTTAGTTTTTTACCTATACCT CACATCCATTGCTGGCAATGAGTGTGCCAGAGTTATTAGTGCCAAGTTTTTCAGAAAGTTTGAAGCAC CATGGTGTGTCATGCTCACTTTTGTGAAAGCTGCTCTGCTCAGAGTCTATCAACATTGAATATCAGTT GACAGAATGGTGCCATGCGTGGCTAACATCCTGCTTTGATTCCCTCTGATAAGCTGTTCTGGTGGCA GTAACATGCAACAAAATGTGGGTGTCTCCAGGCACGGGAAACTTGGTTCCATTGTTATATTGTCCTA TGCTTCGAGCCATGGGTCTACAGGGTCATCCTTATGAGACTCTTAAATATACTTAGATCCTGGTAAGA GGCAAAGAATCAACAGCCAAACTGCTGGGGCTGQAACTGCTGAAGCCAGGGCATGGGATTAAAGAG ATTGTGCGTTCAAACCTAGGGAAGCCTGTGCCCATTTGTCCTGACTGTCTGCTAACATGGTACACTG CATCTCAAGATGTTTATCTGACACAAGTGTATTATTTCTGGCTTTTTGAATTAATCTAGAAAATGAAA

Sull super

ABC1 amino acid seguence SEW ID NOZ

METAlaCysTrpProGlnLeuArgLeuLeuLeuTrpLysAsnLeuThrPheArgArgArgGlnThrCysGl nLeuLeuLeuGluValAla rpProLeuPheIlePheLeuIleLeuIleSerValArgLeuSerTyrProP roTyrGluGlnHisGluCysHisPheProAsnLysAlaMETProSerAlaGlyThrLeuProTrpValGln  ${\tt GlyIleIleCysAsnAlaAsn} Asn {\tt ProCysPheArgTyrProThrProGlyGluAlaProGlyValValGluAlaProGlyValGluAlaProGlyValValGluAlaProGlyValValGluAlaProGlyValCluAlaProGlyValGluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaProGlyValCluAlaPro$ yAsnPheAsnLysSerIleValAlaArgLeuPheSerAspAlaArgArgLeuLeuLeuTyrSerGlnLysA spThrSerMETLysAspMETA gLysValLeuArgThrLeuGlnGlnIleLysLysSerSerSerAsnLeu LysLeuGlnAspPheLeuValAspAsnGluThrPheSerGlyPheLeuTyrHisAsnLeuSerLeuProLy sSerThrValAspLysMETLeuArgAlaAspValIleLeuHisLysValPheLeuGlnGlyTyrGlnLeuH isLeuThrSerLeuCysAsnGlySerLysSerGluGluMETIleGlnLeuGlyAspGlnGluValSerGlu LeuCysGlyLeuProArgGluLysteuAlaAlaAlaGluArgValLeuArgSerAsnMETAspIleLeuLy sProIleLeuArgThrLeuAsnSerThrSerProPheProSerLysGluLeuAlaGluAlaThrLysThrL euLeuHisSerLeuGlyThrLeuAlaGlnGluLeuPheSerMETArgSerTrpSerAspMETArgGlnGlu ValMETPheLeuThrAsnValAsnSerSerSerSerThrGlnIleTyrGlnAlaValSerArgIleVa lCvsGlvHisProGluGlvGlvGlvLebLysIleLysSerLeuAsnTrpTyrGluAspAsnAsnTyrLysA laLeuPheGlyGlyAsnGlyThrGluG\uAspAlaGluThrPheTyrAspAsnSerThrThrProTyrCys AsnAspLeuMETLysAsnLeuGluSerSerProLeuSerArgIleIleTrpLysAlaLeuLysProLeuLe uValGlyLysIleLeuTyrThrProAspThrProAlaThrArgGlnValMETAlaGluValAsnLysThrP  $he {\tt GlnGluLeuAlaValPheHisAspLeuGluGlyMETTrpGluGluLeuSerProLysIleTrpThrPhe}$ METGluAsnSerGlnGluMETAspLeuValArgMETLeuLeuAspSerArgAspAsnAspHisPheTrpGl  $\tt uGlnGlnLeuAspGlyLeuAspTrpThrAldGlnAspIleValAlaPheLeuAlaLysHisProGluAspV$ alGlnSerSerAsnGlySerValTyrThrTrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGlnAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaPheAsnGluThrAsnGluAlaIleArgThrDrpArgGluAlaPheAsnGluThrAsnGluAlaPheAsnGluThrAsnGlIleSerArgPheMETGluCysValAsnLeuAshLysLeuGluProIleAlaThrGluValTrpLeuIleAs nLysSerMETGluLeuLeuAspGluArgLysPheTrpAlaGlyIleValPheThrGlyIleThrProGlyS  $\verb|erIleGluLeuProHisHisValLysTyrLysI| \textbf{leArgMETAspIleAspAsnValGluArgThrAsnLys}|$ IleLysAspGlyTyrTrpAspProGlyProArgA\aAspProPheGluAspMETArgTyrValTrpGlyGl yPheAlaTyrLeuGlnAspValValGluGlnAlaNeIleArgValLeuThrGlyThrGluLysLysThrG  ${\tt lyValTyrMETGlnGlnMETProTyrProCysTyr} \\ {\tt valAspAspIlePheLeuArgValMETSerArgSer}$ METProLeuPheMETThrLeuAlaTrpIleTyrSerValAlaValIleIleLysGlyIleValTyrGluLy sGluAlaArgLeuLysGluThrMETArgIleMETGlyLeuAspAsnSerIleLeuTrpPheSerTrpPheI leSerSerLeuIleProLeuLeuValSerAlaGlyLeuValValIleLeuLysLeuGlyAsnLeuLeu ProTyrSerAspProSerValValPheValPheLeuSerValPheAlaValValThrIleLeuGlnCysPh eLeuIleSerThrLeuPheSerArqAlaAsnLeuAlaAlaAlaCysGlyGlyIleIleTyrPheThrLeuT yrLeuProTyrValLeuCysValAlaTrpGlnAspTyrValGlyPheThrLeuLysIlePheAlaSerLeu LeuSerProValAlaPheGlyPheGlyCysGluTyrPheAlaLeuPheGluGluGlnGlyIleGlyValGl nTrpAspAsnLeuPheGluSerProValGluGluAspGlyAheAsnLeuThrThrSerValSerMETMETL euPheAspThrPheLeuTyrGlyValMETThrTrpTyrIle@luAlaValPheProGlyGlnTyrGlyIle ProArgProTrpTyrPheProCysThrLysSerTyrTrpPheGlyGluGluSerAspGluLysSerHisPr oGlySerAsnGlnLysArgIleSerGluIleCysMETGluGluGroThrHisLeuLysLeuGlyValS erIleGlnAsnLeuValLysValTyrArgAspGlyMETLysValAlaValAspGlyLeuAlaLeuAsnPhe TyrGluGlyGlnIleThrSerPheLeuGlyHisAsnGlyAlaGlyLysThrThrThrMETSerIleLeuTh rGlyLeuPheProProThrSerGlyThrAlaTyrIleLeuGlyL\sAspIleArgSerGluMETSerThrI leArgGlnAsnLeuGlyValCysProGlnHisAsnValLeuPheApMETLeuThrValGluGluHisIle TrpPheTyrAlaArgLeuLysGlyLeuSerGluLysHisValLysAlaGluMETGluGlnMETAlaLeuAs pValGlyLeuProSerSerLysLeuLysSerLysThrSerGlnLeuSerGlyGlyMETGlnArgLysLeuS erValAlaLeuAlaPheValGlyGlySerLysValValIleLeuAspGluProThrAlaGlyValAspPro TyrSerArgArgGlyIleTrpGluLeuLeuLeuLysTyrArgGlnGl ArgThrIleIleLeuSerThrHi

AspValLeuGlyAspArgIleAlaIleIle HisGlyLysLeuCysCysValG lySerSerLedPheLeuLysAsnGlnLeuGlyThrGlyTyrTyrLeuThrLeuValLysLysAspValGlu SerSerLeuSexSerCysArgAsnSerSerSerThrValSerTyrLeuLysLysGluAspSerValSerGl nSerSerSerAspAlaGlyLeuGlySerAspHisGluSerAspThrLeuThrIleAspValSerAlaIleS erAsnLeuIleArgLysHisValSerGluAlaArgLeuValGluAspIleGlyHisGluLeuThrTyrVal LeuProTyrGluAlaAlaLysGluGlyAlaPheValGluLeuPheHisGluIleAspAspArgLeuSerAs pLeuGlyIleSerSekTyrGlyIleSerGluThrThrLeuGluGluIlePheLeuLysValAlaGluGluS erGlyValAspAlaGl\thrSerAspGlyThrLeuProAlaArgArgAsnArgArgAlaPheGlyAspLys GlnSerCysLeuArgProPheThrGluAspAspAlaAlaAspProAsnAspSerAspIleAspProGluSe  $r {\tt ArgGluThrAspLeuLe} \\ {\tt LSerGlyMETAspGlyLysGlySerTyrGlnValLysGlyTrpLysLeuThrG} \\$ lnGlnGlnPheValAlaLeuLeuTrpLysArgLeuLeuIleAlaArgArgSerArgLysGlyPhePheAla GlnIleValLeuProAlaValPheValCysIleAlaLeuValPheSerLeuIleValProProPheGlyLy sTyrProSerLeuGluLeuGlnProTrpMETTyrAsnGluGlnTyrThrPheValSerAsnAspAlaProG  ${\tt luAspThrGlyThrLeuGluI} eu {\tt LeuAsnAlaLeuThrLysAspProGlyPheGlyThrArgCysMETGlu}$ GlyAsnProIleProAspThrProCysGlnAlaGlyGluGluGluTrpThrThrAlaProValProGlnTh rIleMETAspLeuPheGlnAsnGlyAsnTrpThrMETGlnAsnProSerProAlaCysGlnCysSerSerA  ${\tt spLysIleLysLysMETLeuPrdValCysProProGlyAlaGlyGlyLeuProProProGlnArgLysGln}$ AsnThrAlaAspIleLeuGlnAspLeuThrGlyArgAsnIleSerAspTyrLeuValLysThrTyrValGl nIleIleAlaLysSerLeuLysAsnLysIleTrpValAsnGluPheArgTyrGlyGlyPheSerLeuGlyV alSerAsnThrGlnAlaLeuProProSerGlnGluValAsnAspAlaIleLysGlnMETLysLysHisLeu LysLeuAlaLysAspSerSerAlaAspArgPheLeuAsnSerLeuGlyArgPheMETThrGlyLeuAspTh rArgAsnAsnValLysValTrpPheAsnAsnLysGlyTrpHisAlaIleSerSerPheLeuAsnValIleA  $sn Asn Ala Ile Leu Arg Ala Asn Le ^\dagger Gln Lys Gly Glu Asn Pro Ser His Tyr Gly Ile Thr Ala Phe Asn$ HisProLeuAsnLeuThrLysGlnGlnLeuSerGluValAlaLeuMETThrThrSerValAspValLeuVa lSerIleCysValIlePheAlaMETSerPheValProAlaSerPheValPheLeuIleGlnGluArgV alSerLysAlaLysHisLeuGlnPhe leSerGlyValLysProValIleTyrTrpLeuSerAsnPheVal TrpAspMETCysAsnTyrValValProAlaThrLeuValIleIleIlePheIleCysPheGlnGlnLysSe rTyrValSerSerThrAsnLeuProValLeuAlaLeuLeuLeuLeuLeuTyrGlyTrpSerIleThrProL euMETTyrProAlaSerPheValPheLysIleProSerThrAlaTyrValValLeuThrSerValAsnLeu PheIleGlyIleAsnGlySerValAlaThrPheValLeuGluLeuPheThrAspAsnLysLeuAsnAsnIl eAsnAspIleLeuLysSerValPheLeuTePheProHisPheCysLeuGlyArgGlyLeuIleAspMETV alLysAsnGlnAlaMETAlaAspAlaLeudluArgPheGlyGluAsnArgPheValSerProLeuSerTrp AspLeuValGlyArgAsnLeuPheAlaMETAlaValGluGlyValValPhePheLeuIleThrValLeuIl eGlnTyrArgPhePheIleArgProArgProValAsnAlaLysLeuSerProLeuAsnAspGluAspGluA spValArqArqGluArqGlnArqIleLeuAspGlyGlyGlyGlnAsnAspIleLeuGluIleLysGluLeu ThrLysIleTyrArgArgLysArgLysProAlaValAspArgIleCysValGlyIleProProGlyGluCy sPheGlyLeuLeuGlyValAsnGlyAlaGlyLy&SerSerThrPheLysMETLeuThrGlyAspThrThrV alThrArgGlyAspAlaPheLeuAsnLysAsnSerIleLeuSerAsnIleHisGluValHisGlnAsnMET GlyTyrCysProGlnPheAspAlaIleThrGluLeuLeuThrGlyArgGluHisValGluPhePheAlaLe uLeuArgGlyValProGluLysGluValGlyLysValGlyGluTrpAlaIleArgLysLeuGlyLeuValL ysTyrGlyGluLysTyrAlaGlyAsnTyrSerGlyGlyAsnLysArgLysLeuSerThrAlaMETAlaLeu IleGlyGlyProProValValPheLeuAspGluProThrThrGlyMETAspProLysAlaArgArgPheLe uTrpAsnCysAlaLeuSerValValLysGluGlyArgSerValValLeuThrSerHisSerMETGluGluC ysGluAlaLeuCysThrArgMETAlaIleMETValAshGlyArgPheArgCysLeuGlySerValGlnHis LeuLysAsnArgPheGlyAspGlyTyrThrIleValValVarqIleAlaGlySerAsnProAspLeuLysPr oValGlnAspPhePheGlyLeuAlaPheProGlySerValLeuLysGluLysHisArqAsnMETLeuGlnT yrGlnLeuProSerSerLeuSerSerLeuAlaArgIlePheSerIleLeuSerGlnSerLysLysArgLeu HisIleGluAspTyrSerValSerGlnThrThrLeuAspG\nValPheValAsnPheAlaLysAspGlnSe rAspAspAspHisLeuLysAspLeuSerLeuHisLysAsndlnThrValValAspValAlaValLeuThrS erPheLeuGlnAspGluLysValLysGluSerTyrValSTP

Total 2261 amino acids